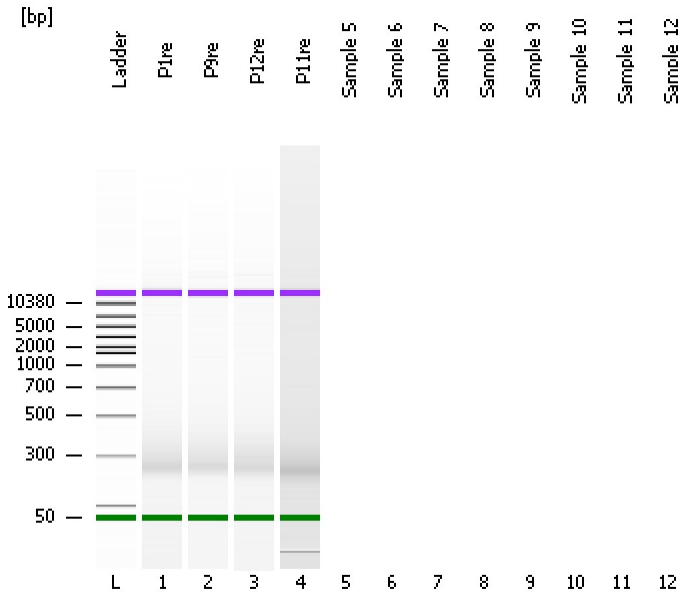


Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
Modified: 4/26/2018 11:34:25 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 12000 Series II.xsy

Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

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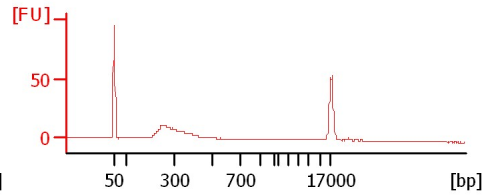
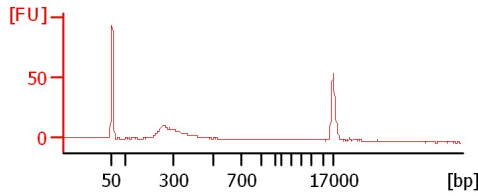
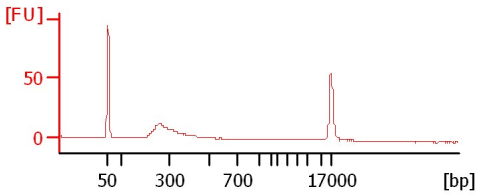
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

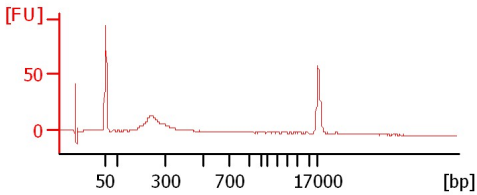
P1re

P9re

P12re



P11re



Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
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Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| P1re | | <input type="checkbox"/> | ✓ | | | |
| P9re | | <input type="checkbox"/> | ✓ | | | |
| P12re | | <input type="checkbox"/> | ✓ | | | |
| P11re | | <input type="checkbox"/> | ✓ | | | |
| Sample 5 | | <input type="checkbox"/> | | | | |
| Sample 6 | | <input type="checkbox"/> | | | | |
| Sample 7 | | <input type="checkbox"/> | | | | |
| Sample 8 | | <input type="checkbox"/> | | | | |
| Sample 9 | | <input type="checkbox"/> | | | | |
| Sample 10 | | <input type="checkbox"/> | | | | |
| Sample 11 | | <input type="checkbox"/> | | | | |
| Sample 12 | | <input type="checkbox"/> | | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 98.95
Ladder Concentration [ng/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 8.3
Upper Marker Concentration [ng/μl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 98.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

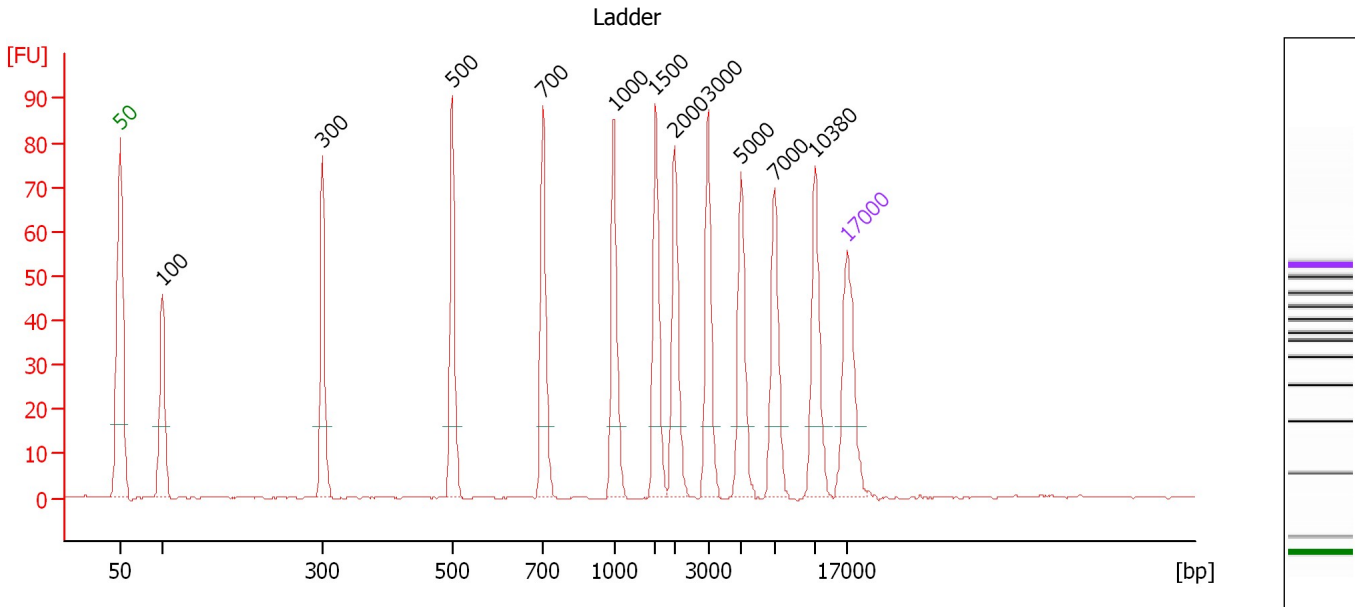
Ladder

| Ladder Peak | Size | Area |
|-------------|-------|------|
| 1 | 50 | 120 |
| 2 | 100 | 48 |
| 3 | 300 | 61 |
| 4 | 500 | 77 |
| 5 | 700 | 81 |
| 6 | 1000 | 86 |
| 7 | 1500 | 92 |
| 8 | 2000 | 92 |
| 9 | 3000 | 96 |
| 10 | 5000 | 100 |
| 11 | 7000 | 98 |
| 12 | 10380 | 102 |
| 13 | 17000 | 110 |

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

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Electropherogram Summary



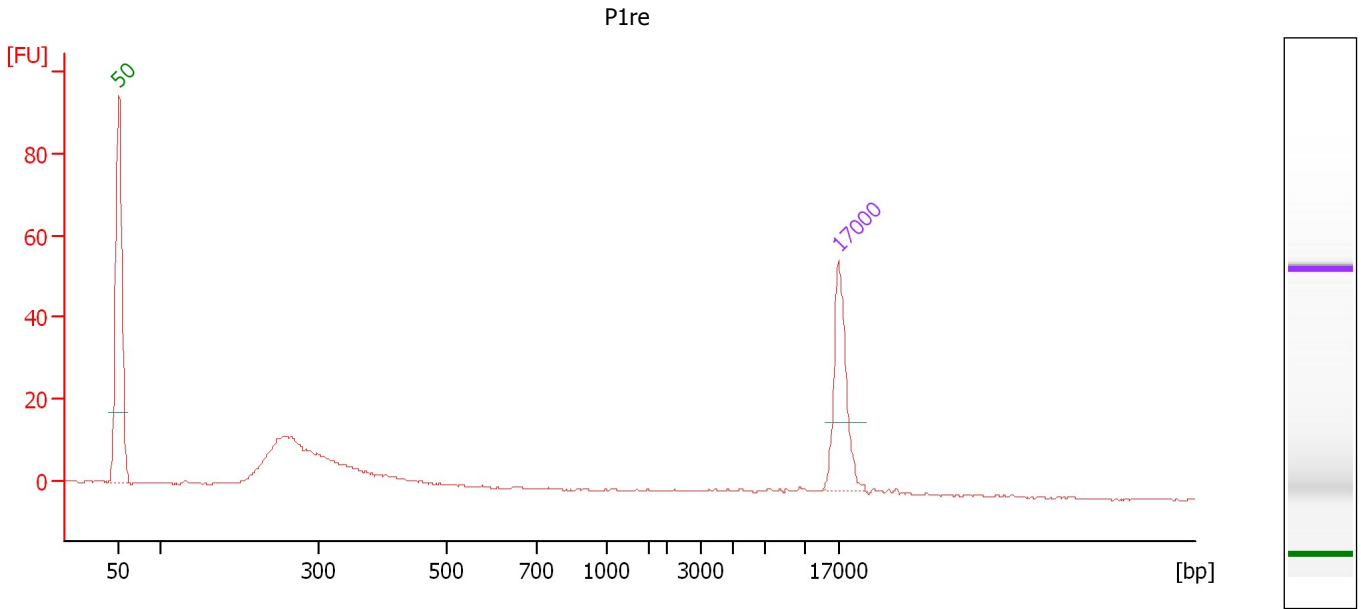
Peak table for Ladder

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 50 | 8.30 | 251.5 | Lower Marker |
| 2 | 100 | 4.00 | 60.6 | Ladder Peak |
| 3 | 300 | 4.00 | 20.2 | Ladder Peak |
| 4 | 500 | 4.00 | 12.1 | Ladder Peak |
| 5 | 700 | 4.00 | 8.7 | Ladder Peak |
| 6 | 1,000 | 4.00 | 6.1 | Ladder Peak |
| 7 | 1,500 | 4.00 | 4.0 | Ladder Peak |
| 8 | 2,000 | 4.00 | 3.0 | Ladder Peak |
| 9 | 3,000 | 4.00 | 2.0 | Ladder Peak |
| 10 | 5,000 | 4.00 | 1.2 | Ladder Peak |
| 11 | 7,000 | 4.00 | 0.9 | Ladder Peak |
| 12 | 10,380 | 4.00 | 0.6 | Ladder Peak |
| 13 | 17,000 | 4.20 | 0.4 | Upper Marker |

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : P1re

Number of peaks found: 0

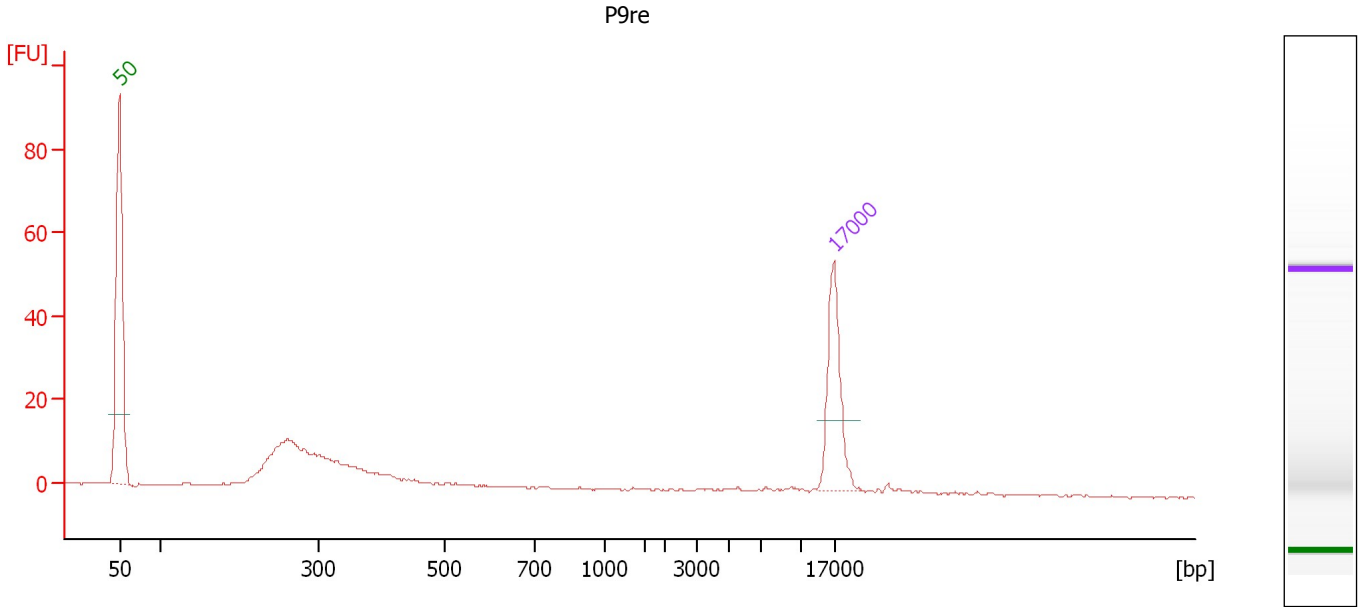
Peak table for sample 1 : P1re

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 50 | 8.30 | 251.5 | Lower Marker |
| 2 | 17,000 | 4.20 | 0.4 | Upper Marker |

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
Modified: 4/26/2018 11:34:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P9re

Number of peaks found: 0

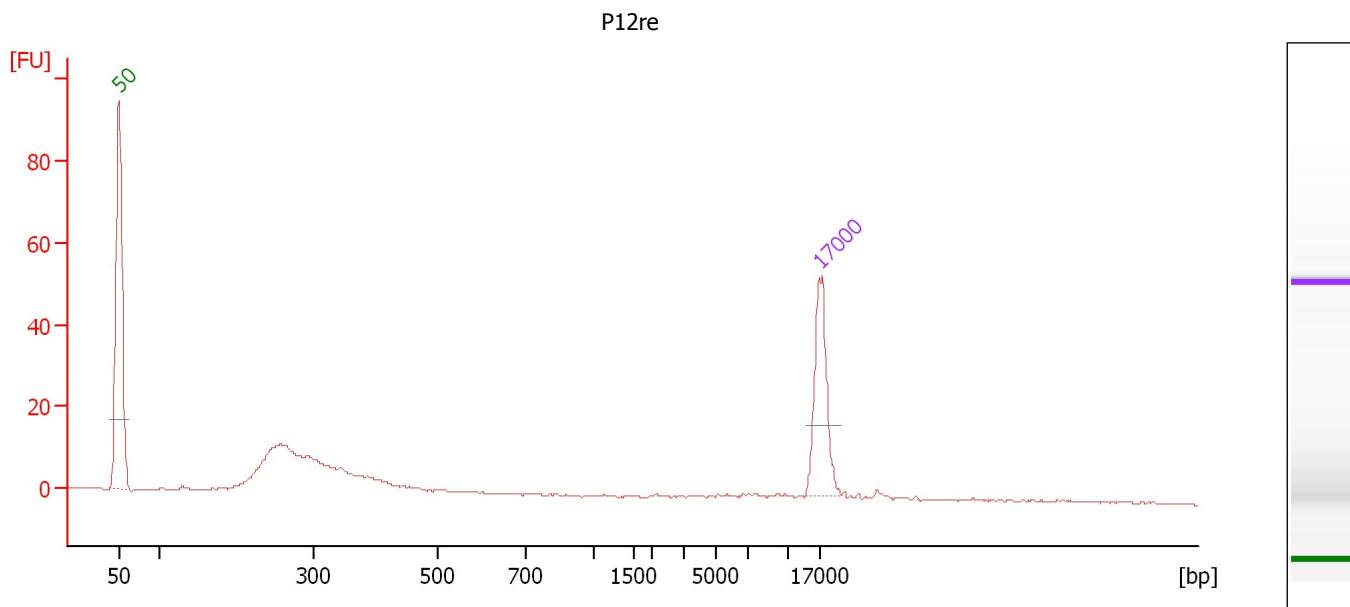
Peak table for sample 2 : P9re

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 50 | 8.30 | 251.5 | Lower Marker |
| 2 | 17,000 | 4.20 | 0.4 | Upper Marker |

Assay Class: DNA 12000
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
 Modified: 4/26/2018 11:34:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P12re

Number of peaks found: 0

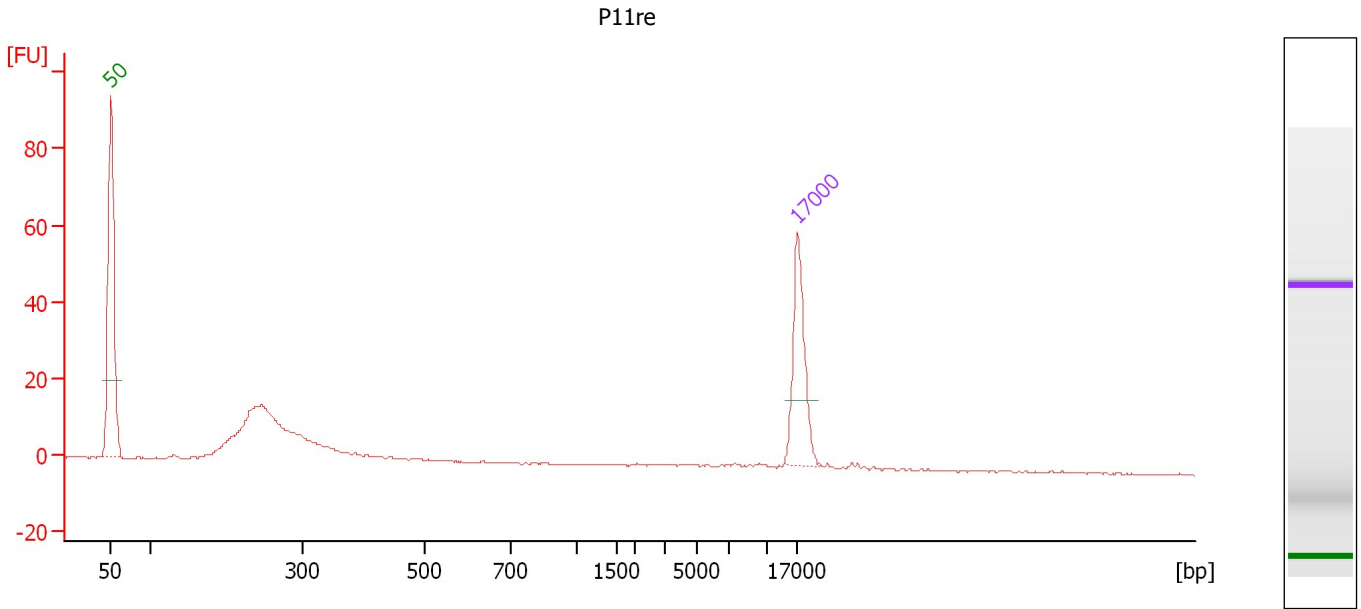
Peak table for sample 3 : P12re

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 50 | 8.30 | 251.5 | Lower Marker |
| 2 | 17,000 | 4.20 | 0.4 | Upper Marker |

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
Modified: 4/26/2018 11:34:25 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P11re

Number of peaks found: 0

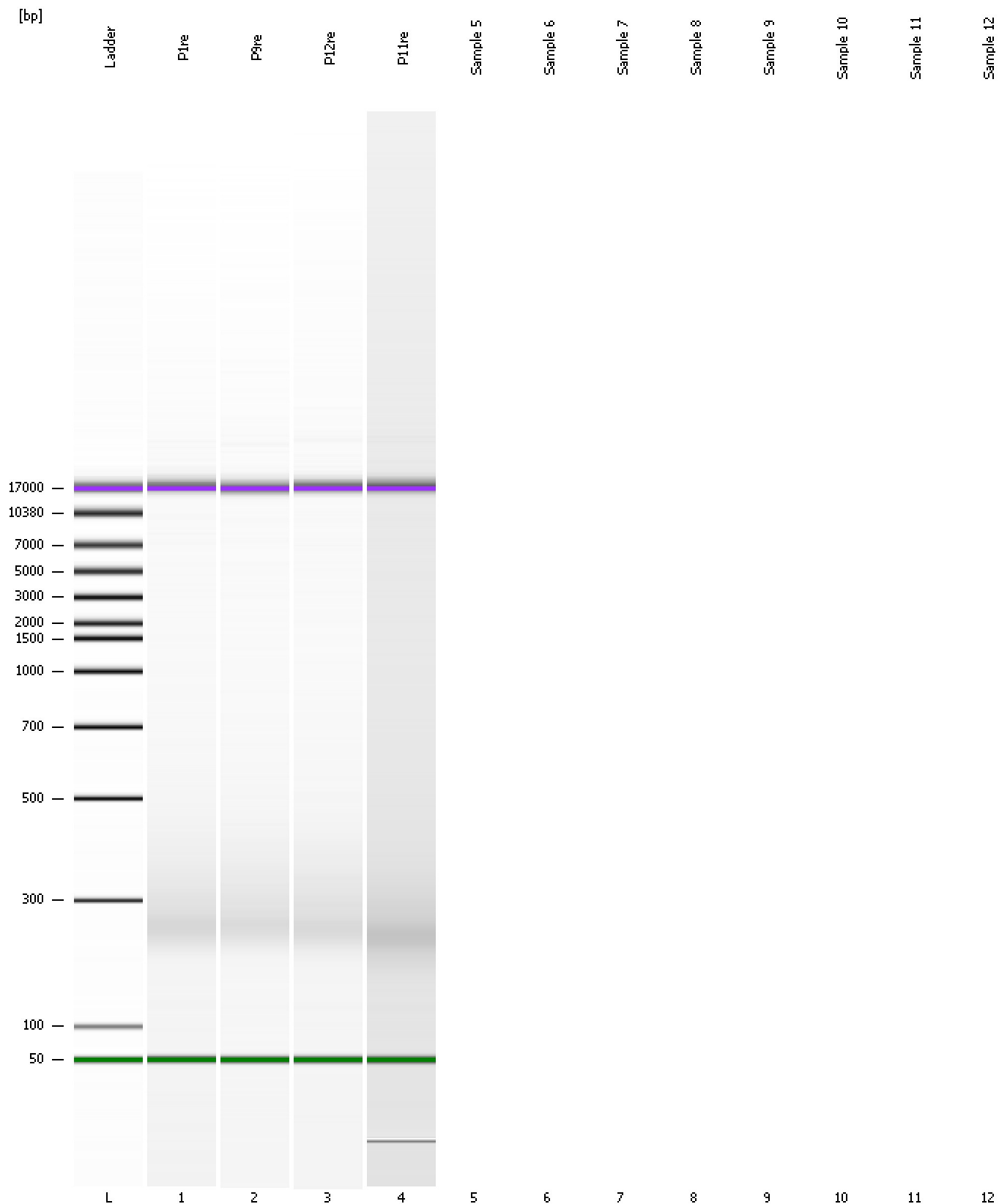
Peak table for sample 4 : P11re

| Peak | Size [bp] | Conc. [ng/μl] | Molarity [nmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 24 | 0.00 | 0.0 | |
| 2 | 50 | 8.30 | 251.5 | Lower Marker |
| 3 | 17,000 | 4.20 | 0.4 | Upper Marker |

Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
Modified: 4/26/2018 11:34:25 AM

Gel Image



Assay Class: DNA 12000
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-26\2018-04-26_002.xad

Created: 4/26/2018 11:09:04 AM
Modified: 4/26/2018 11:34:25 AM

Curves

Standard Curve

